



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

## RECENT PUBLICATIONS

---

- GRANT, F. F., WORCESTER, P. S., AND HENDERSON, JUNIUS. Reconnaissance of the Geology of the Rabbit Ears Region, Routt, Grand and Jackson Counties, Colorado. [Colorado Geological Survey, Bulletin 5, Part 1. Boulder, 1913.]
- GREGORY, W. M. Geological Report on Arenac County. [Michigan Geological and Biological Survey Publication 11. Geological Series 8. Published as a part of the Annual Report of the Board of Geological and Biological Survey for 1911. Lansing, 1912.]
- Handbuch der Mineralchemie. Bd. III, 2 (Bog. 11-20). [Dresden und Leipzig: Verlag von Theodor Steinkopff, 1913.]
- HAY, OLIVER P. Notes on Some Fossil Horses, with Descriptions of Four New Species. [No. 1969. From the Proceedings of the U.S. National Museum, Vol. XLIV, pp. 569-94, with Plates 69-73. Published April 30, 1913. Washington, 1913.]
- HAZARD, D. L. Results of Observations Made at the Coast and Geodetic Survey Magnetic Observatory near Tucson, Arizona, 1909 and 1910. [Department of Commerce and Labor, Coast and Geodetic Survey. Washington, 1913.]
- HENNEN, R. V., AND REGER, D. B. West Virginia Geological Survey County Reports, 1913. Marion, Monongahela, and Taylor Counties. (With Maps of Topography, General and Economic Geology, and Agricultural Soils.) [West Virginia Geological Survey. Morgantown, 1913.]
- HITCHCOCK, C. H. The Hawaiian Earthquakes of 1868. [Bulletin of the Seismological Society of America, Vol. II, No. 3, September, 1912.]
- HOLMES, A. J. Second Annual Report of the Director of the Bureau of Mines to the Secretary of the Interior. For the Fiscal Year Ended June 30, 1912. [Washington, 1913.]
- HORTON, F. W. Coal-Mine Accidents in the United States and in Foreign Countries. [U.S. Bureau of Mines, Bulletin 69. Washington, 1913.]
- HUNTLEY, L. G. Possible Causes of the Decline of Oil Wells, and Suggested Methods of Prolonging Yield. [U.S. Bureau of Mines, Technical Paper 51. Washington, 1913.]
- Iowa Geological Survey. Vol. XXI; Annual Reports, 1910 and 1911, with Accompanying Papers, Prepared in Co-operation with the U.S. Geological Survey. [Des Moines, 1912.]
- IWASAKI, C. A Study of Japanese Coals. [The Journal of the Geological Society of Tokyo. Vol. XIX, No. 230, 1912.]

- JACK, R. L. The Geology of Portions of the Counties of Le Hunte, Robinson, and Dufferin, with Special Reference to Underground Water Supplies. [Geological Survey of South Australia, Department of Mines, Bulletin 1. Adelaide, 1912.]
- . The Mount Grainger Goldfield. [Geological Survey of South Australia, Department of Mines, Report 2. Adelaide, 1913.]
- Jahres-Berichte und Mitteilungen des Oberrheinischen geologischen Vereines Neue Folge. Bd. 3. Jahrgang 1913. Heft 1. [In Kommission bei der E. Schweizerbartischen Verlagsbuchhandlung Nägele und Dr. Sproesser. Stuttgart, 1913.]
- JENSEN, H. I. Soils in Relation to Geology and Climate. [Department of Agriculture, New South Wales. Science, Bulletin 1. Sydney, March, 1911.]
- JOLY, J. The Age of the Earth. [Publication 2107. From the Smithsonian Report for 1911, pp. 271-93. Washington: Government Printing Office, 1912.]
- KEYES, CHARLES. Annotated Bibliography of Iowa Geology and Mining. [Iowa Geological Survey. Vol. XXII. Des Moines, 1913.]
- LA RUE, E. C., HENSHAW, F. F., AND PORTER, E. A. Surface Water Supply of the United States, 1910. Part X. The Great Basin. [Washington, 1912.]
- LEPSIUS, R. Ueber die Einheit und die Ursachen der Eiszeit in den Alpen. [Sonderabdruck aus: Verhandlungen des XVIII. deutschen Geographentages zu Innsbruck, 1912. Berlin: Verlag von Dietrich Reimer (Ernst Vohsen).]
- McCASKEY, H. D. The Production of Metals and Metallic Ores in 1910 and 1911. [U.S. Geological Survey, Advance Chapter from Mineral Resources of the United States, Calendar Year 1911. Washington, 1912.]
- . The Production of Gold and Silver in 1911. [U.S. Geological Survey, Advance Chapter from Mineral Resources of the United States, Calendar Year 1911. Washington, 1912.]
- McGLASHAN, H. D., AND DEAN, H. J. Water Resources of California. Part II. Stream Measurements in San Joaquin River Basin. [U.S. Geological Survey Water-Supply, Paper 299. Washington, 1912.]
- MAITLAND, A. G. Anniversary Address on Relics of the Permo-Carboniferous Ice Age in Western Australia. Session 1910-11. [Reprinted from the Journal of the Natural History and Science Society of Western Australia. Vol. IV. Perth.]
- MANSON, M. The Significance of Early and of Pleistocene Glaciations. [Extrait du Compte du XI<sup>e</sup> Congrès Géologique International. 1910.]
- Maryland Geological Survey. 3 volumes. Middle and Upper Devonian, Text. Lower Devonian, Text. Devonian, Plates. [Baltimore, 1913.]
- MERRILL, G. P. A Newly Found Meteoric Iron from Perryville, Perry County, Missouri. [No. 1943. From the Proceedings of the U.S.]

- National Museum, Vol. XLIII, pp. 595-97, with Plates 44-45. Published December 31, 1912. Washington.]
- Michigan College of Mines, Year-Book of the, 1912-13; Announcement of Courses for 1913-14. [Houghton, Mich., 1913.]
- Michigan Geological and Biological Survey, Catalogue and Table of Contents of the Publications of the, 1838-1912.
- Mineralchemie, Handbuch der. Bd. II. 3 (Bog. 21-30). Bd. III. 1 (Bog. 1-10). [Dresden und Leipzig: Verlag von Theodor Steinkopff, 1913.]
- MORGAN, P. G., AND BARTRUM, J. A. List of the Minerals of New Zealand. [Geological Survey Branch, New Zealand Department of Mines. Wellington, 1913.]
- Naturwissenschaften, Die. Heft 1: Erster Jahrgang. 3. Januar, 1913. [Verlag von Julius Springer in Berlin W. 9.]
- OHERN, D. W., AND GARRETT, ROBERT E. The Ponca City Oil and Gas Field. [Oklahoma Geological Survey, Bulletin 16. Norman, 1912.]
- Ontario Bureau of Mines, Twenty-second Annual Report of. Vol. XXII, Part I. Accompanied by Map Showing Route of the Nelson River Exploring Expedition through the Provinces of Manitoba and Ontario; Map of Parts of the Nelson and Hayes Rivers; Map of the Sudbury-Cobalt-Porcupine Region, Province of Ontario; and Map of Toronto and Vicinity. [Toronto, 1913.]
- Palaeontologische Zeitschrift, Band 1, Heft 1, Juni 1913. Organ der Palaeontologischen Gesellschaft. in deren Auftrage herausgegeben von Professor Dr. O. Jaekel. [Berlin, Verlag von Gebrüder Borntraeger, 1913.]
- PAMMEL, L. H. The Weed Flora of Iowa. [Iowa Geological Survey, Bulletin 4. Des Moines, 1913.]
- PARKER, C. Australian Mineral Statistics. [From the Mining Standard. Melbourne and Sydney, 1913.]
- PARSONS, C. L. Fuller's Earth. [U.S. Bureau of Mines, Bulletin 71. Washington, 1913.]
- PERISHO, E. C., AND VISHOR, S. S. The Geography, Geology, and Biology of South-Central South Dakota. [State Geological and Biological Survey, Bulletin 5. Sioux Falls, June, 1912.]
- POLLARD, J. M., AND HEGGEM, A. G. Mud-laden Fluid Applied to Well-Drilling. [U.S. Bureau of Mines, Technical Paper 66. Washington, 1914.]
- POYNTING, J. H. The Earth: Its Shape, Size, Weight, and Spin. [The University Press, Cambridge, England, 1913.]
- PURDUE, A. H. Administrative Report of the State Geological Survey. 1912. [Tennessee State Geological Survey, Bulletin 15. Nashville, 1912.]
- RABOT, C., AND MURET, E. Supplément au XVII<sup>e</sup> rapport sur les variations périodiques des glaciers. 1911. [Extrait des Annales de

- Glaciologie, t. VII. 1913, pp. 191-202. Commission Internationale des-Glacières. Berlin: Borntraeger Frères. 1913.]
- RICE, G. S., JONES, L. M., CLEMENT, J. K., AND EGY, W. L. First Series of Coal-Dust Explosion Tests in the Experimental Mine. [Bureau of Mines, Bulletin 56, Washington, 1913.]
- ROGERS, A. W., AND DU TOIT, A. L. An Introduction to the Geology of Cape Colony. With a Chapter on the Fossil Reptiles of the Karroo Formation, by Professor R. Broom. [Longmans, Green & Co., London, 1909.]
- RUTHVEN, A. G. The Herpetology of Michigan. With Memoranda toward a Bibliography of the Archaeology of Michigan, by Harlan I. Smith. [Michigan Geological and Biological Survey, Publication 10. Biological Series 3. Published as a part of the Annual Report of the Board of Geological Survey for 1911. Lansing, 1912.]
- SACCO, FEDERICO. L'Avvenire della Geotermica Applicata. Estratto dalla Rivista mensile di Sc. Nat. "Natura," Vol. III. [Pavia: Premiata Tipografia Successori Frotelli Fusi, Largo di via Roma, N. 7, 1912.]
- SANFORD, S. The Underground Water Resources of the Coastal Plain Province of Virginia. [Virginia Geological Survey, Bulletin 5. Prepared in Co-operation with the U.S. Geological Survey. Charlottesville, 1913.]
- SCHREINER, O., AND BROWN, B. E. Occurrence and Nature of Carbonized Material in Soils. [U.S. Bureau of Soils, Bulletin 90. Washington, 1912.]
- , AND SKINNER, J. J. Nitrogenous Soil Constituents and Their Bearing on Soil Fertility. [U.S. Bureau of Soils, Bulletin 87. Washington, 1912.]
- Seismological Society of America, Bulletin of the. Vol. III, No. 1, March, 1913. Vol. III, No. 2. [Stanford University, California, 1913.]
- SELLARDS, E. H. Production of Phosphate Rock in Florida during 1912. [From the Fifth Annual Report, Florida State Geological Survey, pp. 291-94, 1913.]
- SHANNON, C. W. The Trees and Shrubs of Oklahoma. [Oklahoma Geological Survey, Circular 4, Norman, 1913.]
- SHIMER, H. W., AND POWERS, SIDNEY. A New Sponge from the New Jersey Cretaceous. [No. 2019. From the Proceedings of the United States National Museum, Vol. XLVI, pp. 155-56, with Plate 7. Published December 6, 1913. Washington, 1913.]
- SHOREY, E. C. Some Organic Soil Constituents. [U.S. Bureau of Soils, Bulletin 88. Washington, January 8, 1913.]
- SIMPSON, E. S., AND GIBSON, C. G. Contributions to the Study of the Geology and Ore Deposits of Kalgoorlie. East Coolgardie Coalfield. Part 1. [Geological Survey of Western Australia, Bulletin 42. Perth, 1912.]
- SMITH, GEORGE OTIS. Thirty-third Annual Report of the Director of the U.S. Geological Survey to the Secretary of the Interior, for the Fiscal Year Ended June 30, 1912. [Washington, 1912.]

- SMITH, SUMNER S. Report of the Mine Inspector for the Territory of Alaska to the Secretary of the Interior, for the Fiscal Year Ended June 30, 1912. [Washington: Government Printing Office, 1913.]
- SMITH, WARREN D. The Mineral Resources of the Philippine Islands for the Year 1911. [Division of Mines, P.I. Bureau of Science. Manila, 1912.]
- SNIDER, L. C. Petroleum and Natural Gas in Oklahoma. [Oklahoma City: The Harlow-Ratliff Co., 1913.]
- . Rock Asphalts of Oklahoma and Their Use in Paving. [Oklahoma Geological Survey, Circular 5. Norman, 1913.]
- SOBRAL, JOSÉ M. Contributions to the Geology of the Nordingra Region. [Uppsala: Almqvist and Wiksells Boktryckeri-A.-B., 1913.]
- Société Royale Belge de Géographie. Bulletin 4. 37<sup>e</sup> Année. 1913. [Bruxelles, 1913.]
- South African Museum, Annals of the. Vol. VII, containing Descriptions of the Paleontological Material Collected by the Members of the Geological Survey of Cape Colony and Others. Part V. [London: West, Newman & Co., 1912.]
- SPETHMANN, DR. HANS. Islands grösster Vulkan, Die Dyngjufjöll mit der Askja. [Leipzig: Verlag von Veit and Comp., 1913.]
- SUTTON, C. W. La Irrigacion del Valle de Ica. [Boletin del Cuerpo de Ingenieros de Minas del Peru. No. 79. Ministerio de Fomento. Lima, 1913.]
- TABER, S. Geology of the Gold Belt in the James River Basin, Virginia. [Virginia Geological Survey, Bulletin VII. Charlottesville, 1913.]
- TARR, W. A. The Lack of Association of the Irregularities of the Lines of Magnetic Declination and the Petroleum Fields. [Economic Geology, Vol. VII, No. 7, October-November, 1912.]
- Tennessee, The Resources of. Vol. III, No. 2, April, 1913. [Tennessee Geological Survey, Nashville, 1912.]
- Toronto Region, Ontario, Canada, The Natural History of the. Edited by J. H. Faull. [Published by the Canadian Institute, Toronto, 1913.]
- TYRRELL, J. B. Hudson Bay Exploring Expedition, 1912. [Reprinted from the 22d Report of the Ontario Bureau of Mines, 1913.]
- , AND GRAHAM, R. P. D. Yukonite, A New Hydrous Arsenate of Iron and Calcium, from Tagish Lake, Yukon Territory, Canada; with a Note on the Associated Symplectite. Note on the Occurrence of Scorodite, etc., at Cobalt, Northern Ontario, Canada, by R. P. D. Graham. [From The Transactions of the Royal Society of Canada, 3d Series, 1913, Vol. VII, sec. IV. Ottawa, 1913.]
- U.S. Geological Survey. Mineral Resources of the United States. Calendar Year 1911. Part II, Non-Metals. [Washington, 1912.]
- U.S. National Museum, Report of Progress and Condition of the, for the Year Ending June 30, 1912. [Washington: Government Printing Office, 1913.]

- WALCOTT, C. D. Cambrian Brachiopoda. Part I, Text; Part II, Plates. [Monographs of the U.S. Geological Survey, Vol. LI. Washington, 1912.]
- Washington Academy of Sciences, Journal of the. Vol. III, 1913, Nos. 3-21; Vol. IV, Nos. 1-3. [Baltimore: The Waverly Press, 1913, 1914.]
- WATSON, T. L. Biennial Report on the Mineral Production of Virginia during the Calendar Years 1911 and 1912. With Chapters on Zirconiferous Sandstone near Ashland, Virginia, by T. L. WATSON AND F. L. HESS; and Geology of the Salt and Gypsum Deposits of Southwestern Virginia, by G. W. STOSE. [Virginia Geological Survey, Bulletin VIII. Charlottesville, 1913.]
- WHITBECK, R. H. The Geography and Industries of Wisconsin. [Wisconsin Geological and Natural History Survey, Bulletin XXVI. Madison, 1913.]
- WHITE, I. C., assisted by HENNEN, RAY V., AND KREBS, C. E. Map of West Virginia showing Coal, Oil, Gas, Iron Ore, and Limestone Areas. [Published by the West Virginia Geological Survey and the State Semi-Centennial Commission. Morgantown, 1913.]
- WICKHAM, H. F. Fossil Coleoptera from Florissant in the U.S. National Museum. [No. 1982. From the Proceedings of the U.S. National Museum, Vol. XLV, pp. 283-303, with Plates 22-26. Published June 13, 1913. Washington: Government Printing Office, 1913.]
- . Fossil Coleoptera from the Wilson Ranch near Florissant, Colorado. [Bulletin of the State University of Iowa. Bulletin from the Laboratories of Natural History, Vol. VI, No. 4. Iowa City, 1913.]
- WOODBIDGE, D. E. Accident Prevention at Lake Superior Iron Mines. [U.S. Bureau of Mines, Technical Paper 30. Washington, 1913.]
- WOOSTER, L. C. The Geological Development of Kansas. [Emporia, November 1, 1913.]
- WRIGHT, C. L. Fuel-Briquetting Investigations, July, 1904, to July, 1912. [U.S. Bureau of Mines, Bulletin 58. Washington, 1913.]